FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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PERMITTEE

Eight Flags Energy, LLC
911 South Eighth Street
Fernandina Beach, Florida 32034

Authorized Representative:
Kevin Webber, V.P., Business Development and Operations
Eight Flags Energy, LLC

Air Permit No. 0890441-001-AC
Eight Flags Energy
Cogeneration Construction Project

Expires: December 31, 2016
Nassau County

PROJECT

This is the final air construction permit to authorize construction of a new gas turbine cogeneration system to generate electric power, steam, and hot water. The proposed work will be conducted at the new Eight Flags cogeneration facility, which will be an electric power plant categorized under Standard Industrial Classification No. 4911. The new facility will be located in Nassau County on Gum Street in Fernandina Beach, Florida. This facility will be located within the property line of the existing Rayonier Performance Fibers Fernandina Beach facility, an area which is currently designated as nonattainment for sulfur dioxide. The UTM coordinates are Zone 17, 454.7 kilometers (km) East and 3392.2 km North.

As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit. This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); Section 4 (Appendices).

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. As a new minor source the project is not subject to the preconstruction review requirements for major stationary sources in Rules 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality or Rule 62-212.500, F.A.C. for the Preconstruction Review for Nonattainment Areas.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

David L. Read, P.E.
2015.02.26
12:55:07 -05'00'

for Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. P. Mark Cutshaw, Director, System Planning and Engineering, Eight Flags Energy: mcutshaw@fpuc.com
Mr. Kevin Webber, V.P., Business Development and Operations, Eight Flags Energy: kwebber@fpuc.com
Mr. David Buff, P.E., Golder Associates Inc.: dbuff@golder.com
Ms. Heather Ceron, US EPA Region 4: ceron.heather@epa.gov
Ms. Lorinda Shepherd, EPA Region 4: shephard.lorinda@epa.gov
Mr. Richard Rachal, Administrator, DEP NED: Richard.rachal@dep.state.fl.us
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Lynn Scearce 2015.02.26 13:56:55 -05'00'

FACILITY AND PROJECT DESCRIPTION

Proposed Project

The Eight Flags facility consists of an electric/steam cogeneration system, including a nominal 21.7-megawatt (MW) natural gas-fueled turbine and a heat recovery steam generator (HRSG). The HRSG will generate steam from the hot exhaust gases of the gas turbine. In addition, the HRSG will have duct burners fired with natural gas for supplemental heat, in order to generate additional steam when necessary.

The Eight Flags cogeneration system includes one Solar Titan 250 gas turbine generator set, with a maximum heat input of 188.4 million British thermal units per hour (MMBTU/hr), based on lower heating value of natural gas (or 204.6 MMBTU/hr based on the higher heating value of natural gas). Exhaust gases pass to a 50-foot bypass stack when steam generation is not desired, or to the HRSG. Without auxiliary natural gas firing in the HRSG, it is capable of generating up to 74,163 lb/hr of steam; at its maximum auxiliary natural gas firing rate of 135.3 MMBTU/hr, the HRSG is capable of generating up to 200,000 lb/hr of steam. Additional heat is recovered from the HRSG stack gas exhaust to heat an average of 300,000 lb/hr (maximum of 449,240 lb/hr) of water to 115 to 130 degrees F. From the HRSG, exhaust gases vent to a 65-foot stack.

Additional equipment includes a three-cell mechanical draft cooling tower. Both emission units (EUs) at the facility are listed in Table 1. A mobile emergency diesel generator will be brought on-site as needed; however, as a mobile engine, it will not be included in any emissions unit.

Facility ID No. 0890441

ID No.	Emission Unit Description
001	Gas Turbine Generator and HRSG
002	Mechanical Draft Cooling Tower

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance, Division of Air Resource Management, Florida Department of Environmental Protection (Department). The mailing address for the Office of Permitting and Compliance is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400. The permitting authority for subsequent air operation permits will be the Department's Northeast District Office, Waste and Air Resource Management, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Department's Northeast District Office at: Waste and Air Resource Management, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix NSPS Subpart A (NSPS General Provisions); and Appendix NSPS Subpart KKKK (Standards of Performance for Stationary Combustion Turbines).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C.]

8. Application for Air Operation Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. An air operating permit is required for regular operation of the permitted emissions unit. The permittee shall apply for an air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for an air operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be

submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220 and Chapter 62-213, F.A.C.]

A. Gas Turbine Generator and HRSG (EU 001)

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Gas Turbine Generator and HRSG

APPLICABLE STANDARDS AND REGULATIONS

1. NSPS Requirements: The combustion turbine generator (CTG) and HRSG shall comply with all applicable requirements of 40 CFR 60, listed below, adopted by reference in Rule 62-204.800(8)(b) and (d), F.A.C.

   a. *Subpart A - General Provisions*, including:

   - 40 CFR 60.7, Notification and Record Keeping
   - 40 CFR 60.8, Performance Tests
   - 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
   - 40 CFR 60.12, Circumvention
   - 40 CFR 60.13, Monitoring Requirements
   - 40 CFR 60.19, General Notification and Reporting Requirements

   b. *Subpart KKKK - Standards of Performance for Stationary Combustion Turbines:* These provisions include requirements applicable to combustions turbines and to duct burners located in HRSGs.

   [Rule 62-204.800(8)(b) and (d), F.A.C.; NSPS Subparts A and KKKK]

EQUIPMENT

2. Gas Turbine: The permittee is authorized to install one nominal 21-MW gas turbine generator set. The gas turbine shall employ a dry low-NO_X emissions technology with lean premix combustion. [Application No. 0890441-001-AC]

3. Heat Recovery Steam Generator: The permittee is authorized to install one HRSG, equipped with natural gas burners, steam drum, evaporator, economizer, superheater, and hot water heater. [Application No. 0890441-001-AC]

PERFORMANCE RESTRICTIONS

4. Permitted Capacity

   a. *Gas Turbine*: The gas turbine generator set shall have a maximum design heat input of 188.4 million British thermal units (MMBtu) per hour, based on the lower heating value of the natural gas fuel when firing at 100% load at a 59 degree Fahrenheit inlet temperature. [Application No. 0890441-001-AC and Rule 62-210.200(PTE), F.A.C.]

   b. *HRSG*: The HRSG duct burners shall have a maximum design heat input of 135.3 MMBtu per hour, based on the natural gas fuel higher heating value. [Application No. 0890441-001-AC and Rule 62-210.200(PTE), F.A.C.]

5. Authorized Fuel: The gas turbine and HRSG duct burners shall be fueled exclusively with natural gas. The sulfur content of the natural gas shall be no greater than 2 grains (gr) per 100 standard cubic feet (SCF). Compliance with the fuel sulfur limit shall be determined using the methods provided in **Specific Condition 23** below. [Application No. 0890441-001-AC and Rule 62-210.200(PTE), F.A.C.]

   *{Permitting note: This SIP-based fuel specification is more stringent than the NSPS-based specification given in **Specific Condition 9**. Periods during which sulfur content exceeds 2 gr/100 SCF are not permitted.}*

6. Hours of Operation

   a. *Gas Turbine*: The hours of operation of the gas turbine are not limited (8,760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

   b. *HRSG*: Natural gas firing in the HRSG duct burners is limited to 4,800 hours per year, based on a 12-month rolling average. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

7. NSPS Subpart KKKK Good Air Pollution Control Practices: The permittee shall operate and maintain the gas turbine generator, HRSG burners, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [40 CFR 60.4333(a)]

8. NO_X Emissions Standards:

   a. *NSPS Subpart KKKK NO_X Standards:* Emissions of NO_X shall not exceed the following standards.

Pollutant	Method of Operation [a]	Emission Standard [b]	Basis for Standard
NO_X	CTG $\geq$ 75% of full CTG load or CTG+HRSG DB firing	25 ppmvd @ 15% O_2	NSPS
	CTG <75% of full CTG load	150 ppmvd @ 15% O_2	
	CTG $\geq$ 75% of full CTG load (without DB firing)	17 ppmvd @ 15% O_2	SIP (PSD avoidance)
	CTG+HRSG DB firing	22 ppmvd @ 15% O_2	

a. Method of Operation: CTG means that only the combustion turbine is firing gas. CTG+HRSG DB firing means both the combustion turbine and the duct burner associated with the HRSG are firing gas.
b. Concentration standards are expressed as parts per million, by volume, dry, at 15 percent oxygen (ppmvd @15% O_2).

   Initial and annual compliance tests for NO_X shall be in accordance with EPA Method 7E as required by NSPS Subpart KKKK. NO_x tests must be performed downstream of the HRSG duct burner. The HRSG duct burner must be in operation during the NSPS tests. [Application No. 0890441-001-AC; 40 CFR 60.4320(a), 60.4340(a), 60.4400(a)(1)(i)-(ii), 60.4400(b) and 60.4400(b)(2)]

   b. *SIP-based NO_X Standard for Turbine*: Emissions of NO_X from the gas turbine operating at greater than or equal to 75% of full load, without duct burner firing, shall not exceed 17 ppmvd @ 15% O_2. Initial, quarterly (for first year of operation, and only if required by **Specific Condition** 17) and annual compliance tests for NO_X shall be in accordance with EPA Method 7E. [Application No. 0890441-001-AC; Rule 62-4.070(3), F.A.C.; PSD Avoidance]

   c. *SIP-based NO_X Standard for Duct Burners:* Combined emissions of NO_X from the gas turbine and duct burners shall not exceed 22 ppmvd @ 15% O_2. Initial, quarterly (for first year of operation, and only if required by **Specific Condition 17**) and annual compliance tests for NO_X shall be in accordance with EPA Method 7E. [Application No. 0890441-001-AC; Rule 62-4.070(3), F.A.C.; PSD Avoidance]

9. NSPS Subpart KKKK Sulfur Dioxide (SO_2) Standard: Emissions of SO_2 from this unit shall not exceed 0.06 pounds per million Btu heat input (lb/MMBTU). The permittee shall provide a valid purchase contract, tariff sheet or transportation contract for natural gas specifying that the maximum total sulfur content for natural gas is 20 gr/100 SCF or less. Compliance with the authorized fuel specification in **Specific Condition 5** above further ensures compliance with the SO_2 standard. [Application No. 0890441-001-AC; 40 CFR 60.4330(a)(2), 60.4365 and 60.4370]

Visible Emissions (VE) Emission Standards:

a. *VE emission standard during normal operation:* VE from the unit during normal operation shall not exceed 10% opacity based on a 30-minute test conducted annually in accordance with EPA Method 9 - Visual Determination of Opacity.
[Application No. 0890441-001-AC; Rule 62-4.070, F.A.C.]

b. *Startup and shutdown definitions: Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions. *Shutdown* is the cessation of the operation of an emissions unit for any purpose.
[Rule 62-210.200(Definitions), F.A.C.]

c. *Alternate VE emission standard during startups and shutdowns:* VE from the unit during startups and shutdowns shall not exceed 20% opacity except for up to one, 6-minute averaging period during a 30-minute period, during which VE shall not exceed 30% opacity. This alternate VE standard shall apply for 30 minutes during startups and shutdowns of the gas turbine or of supplemental gas firing in the HRSG, provided that the operator employs the best operational practices to minimize the magnitude and duration of emissions during such incidents. The alternate VE standard shall not apply for more than 180 minutes in any 24-hour period.

[Application No. 0890441-001-AC; Rules 62-4.070(3), 62-210.200(Definitions) and 62-210.700(5), F.A.C.]

{Permitting note: The combination of the VE standards, the high firing temperature, the natural gas authorized fuel sulfur specification, and the NO_X limit will minimize particulate matter (PM) emissions including PM smaller than 10 microns (PM_{10}), PM smaller than 2.5 microns ($PM_{2.5}$) and condensable PM.}

EXCESS EMISSIONS - NSPS

{Permitting Note: The following condition applies to the NSPS emissions standards applicable to this unit.}

10. Excess Emissions Reporting Requirement - SO_2: **Specific Condition 9** requires the permittee to submit valid purchase contract, tariff sheet or transportation contract for natural gas specifying that the maximum total sulfur content for natural gas is 20 gr/100 SCF or less. The permittee is not required by NSPS Subpart KKKK to subsequently monitor the total sulfur content of the fuel or to report excess SO_2 emissions in excess of the NSPS limitation of 20 gr/100 SCF.

*{Permitting Note: The applicable Department SIP-based fuel sulfur limitation of 2 gr/100 SCF in **Specific Condition 5** above further ensures there will be no excess emissions of the greater NSPS Subpart KKKK sulfur/SO_2 standards.}*

EXCESS EMISSIONS – SIP

11. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.
[Rules 62-210.700(4) and 62-210.200(Definitions), F.A.C.]

12. Best Operational Practices (BOPs) Required: The permittee shall train and require all operators and supervisors to operate and maintain the CTG, duct burners, and monitoring equipment in a manner consistent with best operational practices (BOPs) for minimizing emissions at all times including during startup, shutdown and malfunction.
[Rules 62-4.070(3) and 62-210.700(1), F.A.C.]

TESTING REQUIREMENTS

13. Operating Rate During Testing: Initial and annual stack tests shall be conducted at 90% or greater of the permitted heat input ratings provided in **Specific Condition 4** above. [Rule 62-297.310, F.A.C.]

14. Initial Compliance Demonstration: Initial compliance stack tests shall be conducted within 60 days after achieving the maximum production rate, but not later than 180 days after the initial startup. In accordance with the test methods specified in this permit, the unit (including HRSG burners) shall be tested to demonstrate initial compliance with the NO_X and visible emissions (opacity) standards. [Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.]

15. Test Methods: Required compliance stack tests shall be performed in accordance with the following reference methods.

Method	Description of Method [a]
7E	Determination of Nitrogen Oxides Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of CO Emissions from Stationary Sources
18[b]	Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
25A[b]	Determination of Total Gaseous Organic Concentration using Flame Ionization Analyzer

a. The methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used for compliance testing unless prior written approval is received from the Department's Office of Permitting and Compliance in accordance with an alternate sampling procedure pursuant to 62-297.620, F.A.C.

b. EPA Method 25A is used to determine VOC. EPA Method 18 may be used to determine and deduct emissions of methane and ethane from the emissions measured using Method 25A when determining VOC emissions.

[Rule 62-204.800 F.A.C.; Rule 62-297.100 F.A.C.; 40 CFR 60 Appendix A]

16. Quarterly NO_X Testing for First Year of Operation: If emissions of NO_X determined by the Initial Compliance Demonstration (**Specific Condition 15**) are greater than or equal to 90% of either of the SIP-based NO_X limits in **Specific Conditions 8 a, b and c**, compliance stack tests for NO_X shall be conducted each calendar quarter for the first year of operation of the unit. In accordance with the test methods specified in this permit, the unit (including duct burners) shall be tested to demonstrate compliance with the NO_X standards. [Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.]

17. Special Performance Test for CO and VOC: A special initial performance test for CO and VOC shall be conducted or commence within 60 days after achieving the maximum production rate, but not later than 180 days after the initial startup of the unit. The tests shall be conducted at 90% or greater of the permitted heat input rating provided in **Specific Condition 4** above. In accordance with the methods in **Specific Condition 16**, the CTG (including duct burner) shall be tested to determine the concentration and mass emission rate for CO and VOC. The test results shall be compared with the values listed below. If the listed values are exceeded, then the permittee shall submit an application with a request for enforceable CO or VOC limits and testing procedures that further ensure that the requirements of subsections 62-212.400(4) through (12), F.A.C. are not triggered.

A. Gas Turbine Generator and HRSG (EU 001)

Pollutant	Method of Operation [a]	Stack Test, 3-run Average	
		ppmvd @ 15% O_2	lb/hr [a]
CO	CTG	25	11.5
	CTG + DB	34	25.0
VOC (as CH_4)	CTG	25	6.6
	CTG+DB	22	9.3

a. The mass rate standards are based on a turbine inlet condition of 59° F and may be adjusted to actual test conditions.

[Application No. 0890441-001-AC; Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.]

{Permitting note: After fulfillment, this condition shall not be included in the facility operating permit}

18. Subsequent Compliance Testing: Annual compliance tests for NO_X and visible emissions (opacity) shall be conducted during each federal fiscal year (October 1st to September 30th). Annual compliance tests for NO_X shall be conducted no more than 14 calendar months following the previous NO_X performance test. [Rules 62-4.070(3) and 62-297.310(7)(a)4, F.A.C. and 40 CFR 60.4400(a)]

19. Test Notification Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required NO_X, CO, VOC or visible emissions test. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

RECORDS AND REPORTS

20. Monitoring of Capacity: The permittee shall monitor and record the operating rate of the gas turbine and HRSG system on a daily average basis, considering the number of hours of operation during each day (including the times of startup, shutdown and malfunction). Such monitoring shall be made by monitoring daily rates of consumption of natural gas fuel. [Rule 62-4.070(3), F.A.C.]

21. Monthly Operations Summary: By the fifth calendar day of each month, the permittee shall record the following for each fuel in a written or electronic log for the unit for the previous month of operation: fuel consumption, hours of turbine operation, hours of duct burner operation, and the updated 12-month rolling totals for each. Information recorded and stored as an electronic file shall be available for inspection and printing within at least three days of a request by the Department. [Rules 62-4.070(3), F.A.C.]

22. Fuel Sulfur Records: Compliance with the fuel sulfur limit for natural gas given in **Specific Condition 5** shall be demonstrated by keeping reports obtained from the vendor indicating the average sulfur content of the natural gas being supplied from the pipeline for each month of operation. Methods for determining the sulfur content of the natural gas shall be ASTM methods D4084-82, D4468-85, D5504-01, D6228-98 and D6667-01, D3246-81 or more recent versions.
[Rule 62-4.070(3), F.A.C; Rule 62-4.160(15), F.A.C.]

23. Emissions Performance Test Reports: A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. and in Appendix C of this permit. [Rule 62-297.310(8), F.A.C., and 40 CFR 60.4375(b)]

24. Excess Emissions Reporting:

    a. *Malfunction Notification:* If emissions in excess of a standard occur due to malfunction, the permittee shall notify the Compliance Authority within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident.

b. *SIP Quarterly Permit Limits Excess Fuel Sulfur Report:* Within 30 days following the end of each calendar-quarter, the permittee shall submit a report to the Compliance Authority summarizing periods during which fuel sulfur content exceeds 2 gr/100 SCF.

[Rule 62-4.130, F.A.C.; Rule 62-204.800, F.A.C.; Rule 62-210.700(6), F.A.C.; 40 CFR 60.7; 40 CFR 60.4420]

25. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating hours and emissions from this facility (including the emission units in subsequent sections of this permit). Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(2), F.A.C.]

26. Mandatory Greenhouse Gas Reporting: The greenhouse gas reporting requirements and related monitoring, recordkeeping, and reporting requirements of 40 CFR Part 98 – Mandatory Greenhouse Gas Reporting, apply to the owners and operators of this facility. The report shall be submitted electronically for this unit, including the HRSG burners, in accordance with the instructions in Part 98 and shall include the emissions units in subsequent sections of the permit to the extent required by Part 98. [40 CFR 98.2(a)(3) and 40 CFR 98.30-38]

    {Permitting Note: This unit is not subject to the requirements of the Acid Rain Program, by the applicability criterion in 40 CFR 72.6(b)(4)(ii).}

B. Mechanical Draft Cooling Tower (EU 002)

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	Mechanical Draft Cooling Tower

EQUIPMENT

1. Mechanical Draft Cooling Tower: The permittee is authorized to install one three-cell mechanical draft cooling tower, with the following nominal design characteristics: 23 feet high; circulating water flow rate of 2,594 gallons per minute per cell; Total Dissolved Solids (TDS) of 5000 parts per million by weight; and a drift rate of no more than 0.001%. [Application No. 0890441-001-AC]

EMISSIONS AND PERFORMANCE REQUIREMENTS

2. Drift Rate: Within 60 days of commencing commercial operation, the permittee shall certify that the cooling tower was constructed to achieve the specified drift rate of no more than 0.001 percent of the circulating water flow rate. [Application No. 0890441-001-AC]